

ABSTRACT

5 A system provides multiple Internet connection by
employing a filter, which selectively filters a transmission
frequency band, on the data upstream in a cable network
system. The system includes subscribers, cable modems,
filters, a HFC line, CMTSs and multiple ISP host servers.
Each subscriber uses a specific frequency band in data
upstream using the filters. Therefore, each subscriber can
10 be easily connected to a corresponding ISP server.